JOIN WITH US;

Windows Phone 8.1 (LUMIA)

Community Group

HOW TO DOWNLOAD

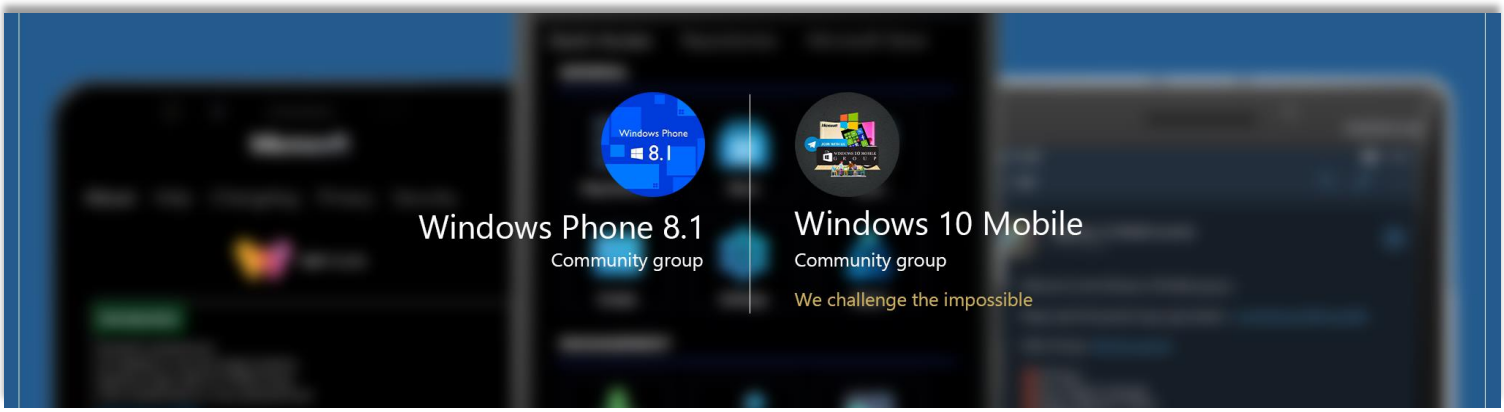
FFU & EMERGENCY FILES

OF WINDOWS PHONES

MULTIPLE-METHOD

Requirements

- A Windows PC (Minimum: Windows 7 SP1 | Recommended: Windows 8 & above)



W10M Group YouTube Channel

YOUTUBE

Apart from these documented Guides, we have started the roll up of **Video Versions** of each guide in our YouTube Channel.

Don't forget to **like** and **subscribe**!

How to Flash/Downgrade Windows Phones (LUMIA & OTHER-OEM)

YOUTUBE

Part of this guide will explain how to download your device FFU & emergency files.

Table of Contents

DOWNLOAD DEVICE FFU & EMERGENCIES

MULTIPLE-METHODS

1) Introduction Page 04

2) Preparations Page 05

3) Get to know your device identifiers Page 06

4) Download FFU of your Windows Phone Page 08

- Via Lumiafirmware.com Page 09
- Via Lumia Firmware Download BOT Page 12
- Via Archive.org Page 13
- Via Windows Phone Internals [DEPRECATED] Page 14
- Via Windows Device Recovery Tool [DEPRECATED] Page 17
- Via Cellomania.com [DEPRECATED] Page 19

5) Download Emergency Files of your Windows Phone Page 20

6) Download Engineering SBL3 IMG/BIN (SPEC-A) Page 21

7) Credits Page 22

Introduction

What are FFU & Emergency files?

FFU (Full Flash Update) files are the firmware packages of Windows Phone devices.

Almost every Windows Phone device ever released has at least one of those.

FFU files are used to completely erase the device software and reinstall it, that means a complete wipe of data.

The **Emergency files** are more complicated suff than FFUs.

Only LUMIA devices have emergency files.

When a device is bricked beyond recovering via a simple FFU flash, that is where these emergency files are used.

They can re-write device details & bootloader in it's own EDL mode and due to that, be extrmely sure to use ones that are created just for the model of your phone.

Do I really need to have these files?

If you love the devices you use, then **yes of course!**

By having these files, you can freshly start anytime or even un-brick your devices yourself (*With some help from a guide*)

Are there multiple methods to get these?

Yes, there are multiple methods to get these files.

We will show you the most **reliable** ones in this guide.

Preparations

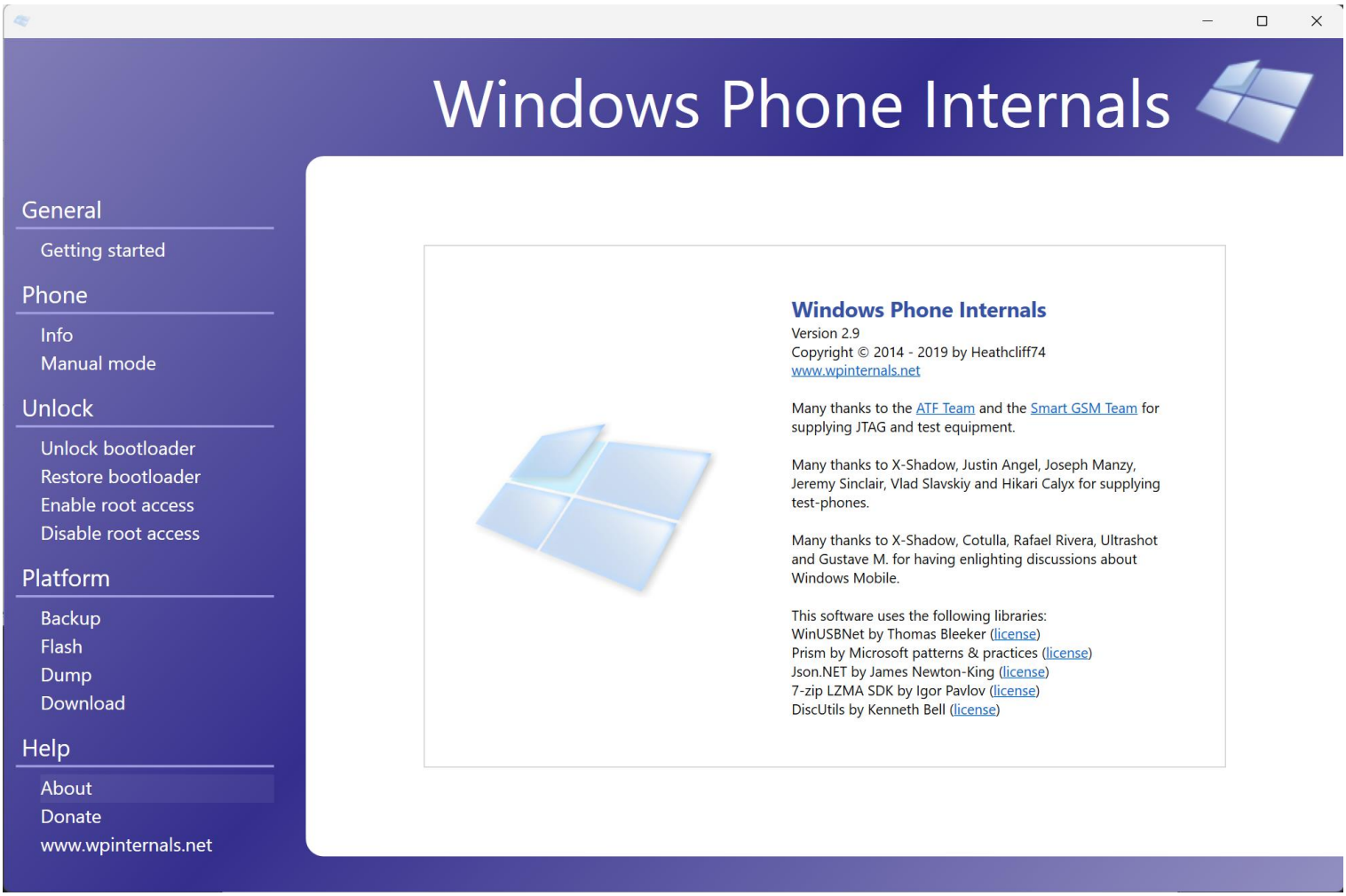
Download Windows Phone Internals

GITHUB | W.U.T | MEGA

| TIP

There is no installation of this software.

Just extract all the files & run *WPInternals* executable.



Know your device identifiers (RM & Product Codes)

Every NOKIA / Microsoft LUMIA device has two identifiers, **RM CODE** & **PRODUCT CODE**.

These codes are used to identify the device & it's intended firmware.

What is RM CODE?

The **RM CODE** can be used to determine which model your phone is.

Usually, one phone model will have different varieties intended for different regions or Mobile operators.

This can be identified using RM CODE.

What is PRODUCT CODE?

The **PRODUCT CODE** can be used to determine which software is installed in your device.

Usually, a device will have different software for different regions where the device is assembled/sold because the software in the phone have to match the countries language, time & should have suitable apps as per the country & etc...

These different software versions are classed using Product Codes.

Why should I know these?

If you are to download your device FFU & Emergency files, you must know these as these are the keys if you are to get those files for your device.

It is mandatory to know these if you are to get correct support for your model!

SO, how do I find this 'RM code' & 'Product code' of the windows phone I have?

1. *Through physical resources*

You can find the RM & Product Code of your device in either any of the below places;

- OEM Box of the Device.
- Printed in back of the Device. (In the back housing behind the back cover)
- Printed in SIM slot.

2. *Through Software details*

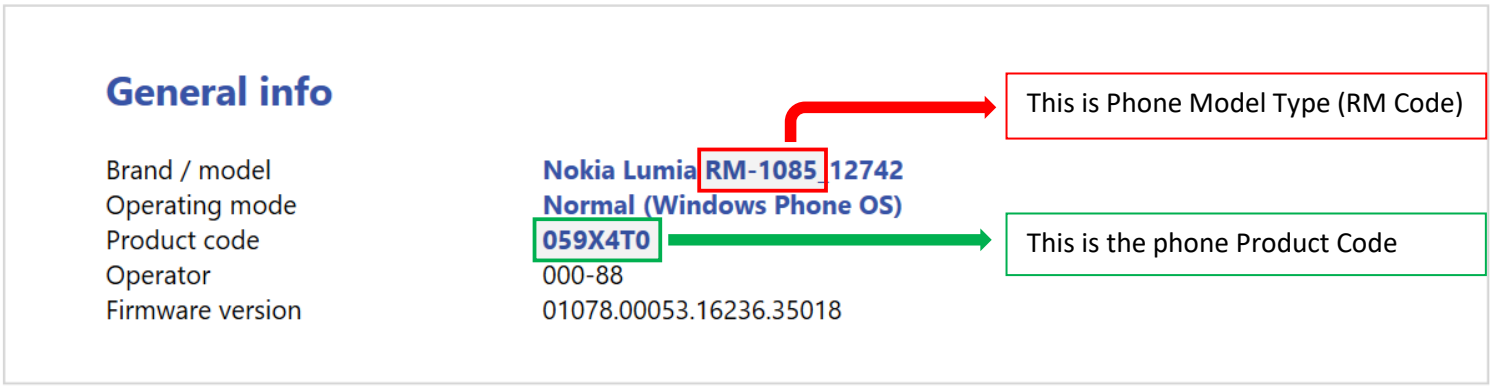
You can use 'Windows Phone Internals' applications to get these codes for your device.

For that;

> Connect your Windows Phone to your PC using USB Connection

> Open Windows Phone internals applications in your PC.

> The startup page will have both of these values (*See example picture*)



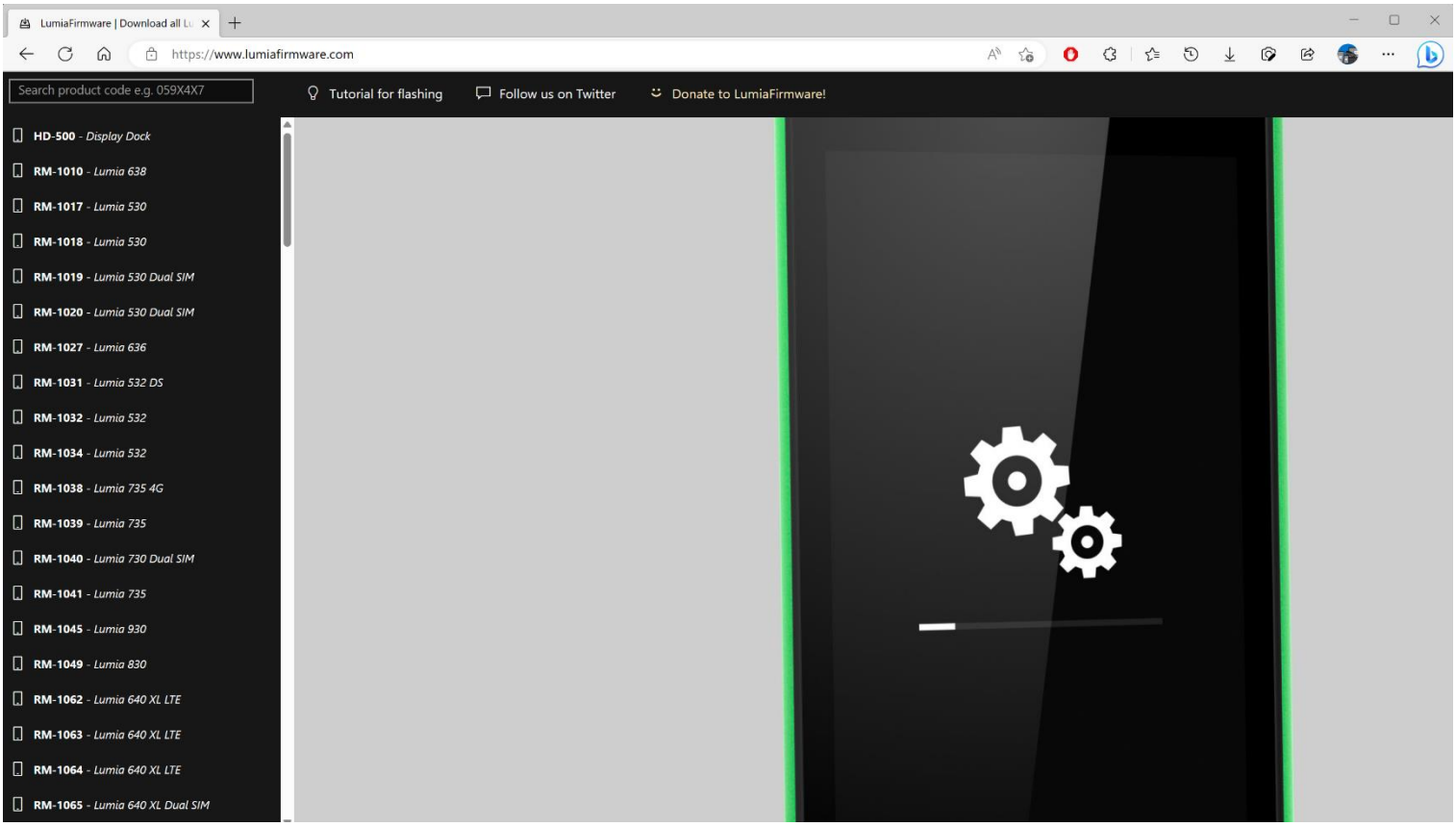
Take a note of these two values!

Download Device FFU package

There are several ways to obtain this for your Windows Phone.

You can follow either any of the below methods.

1. LumiaFirmware.com
2. Lumia Firmware Download BOT
3. Archive.org
4. Windows Phone Internals [DEPRECATED]
5. Windows Device Recovery Tool [DEPRECATED]
6. Cellomania.com [DEPRECATED]



Download FFU: LumiaFirmware.com

LUMIA EXCLUSIVE

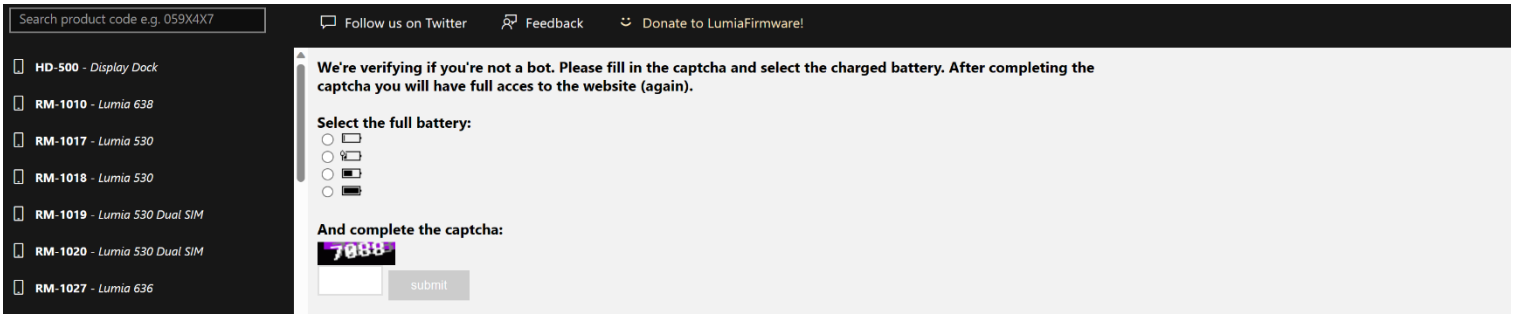
NOTE: The website is reworked completely so it will be a tad different to what's described below.

> Go the below website using any web browser in your PC or other device which you plan to download FFUs.

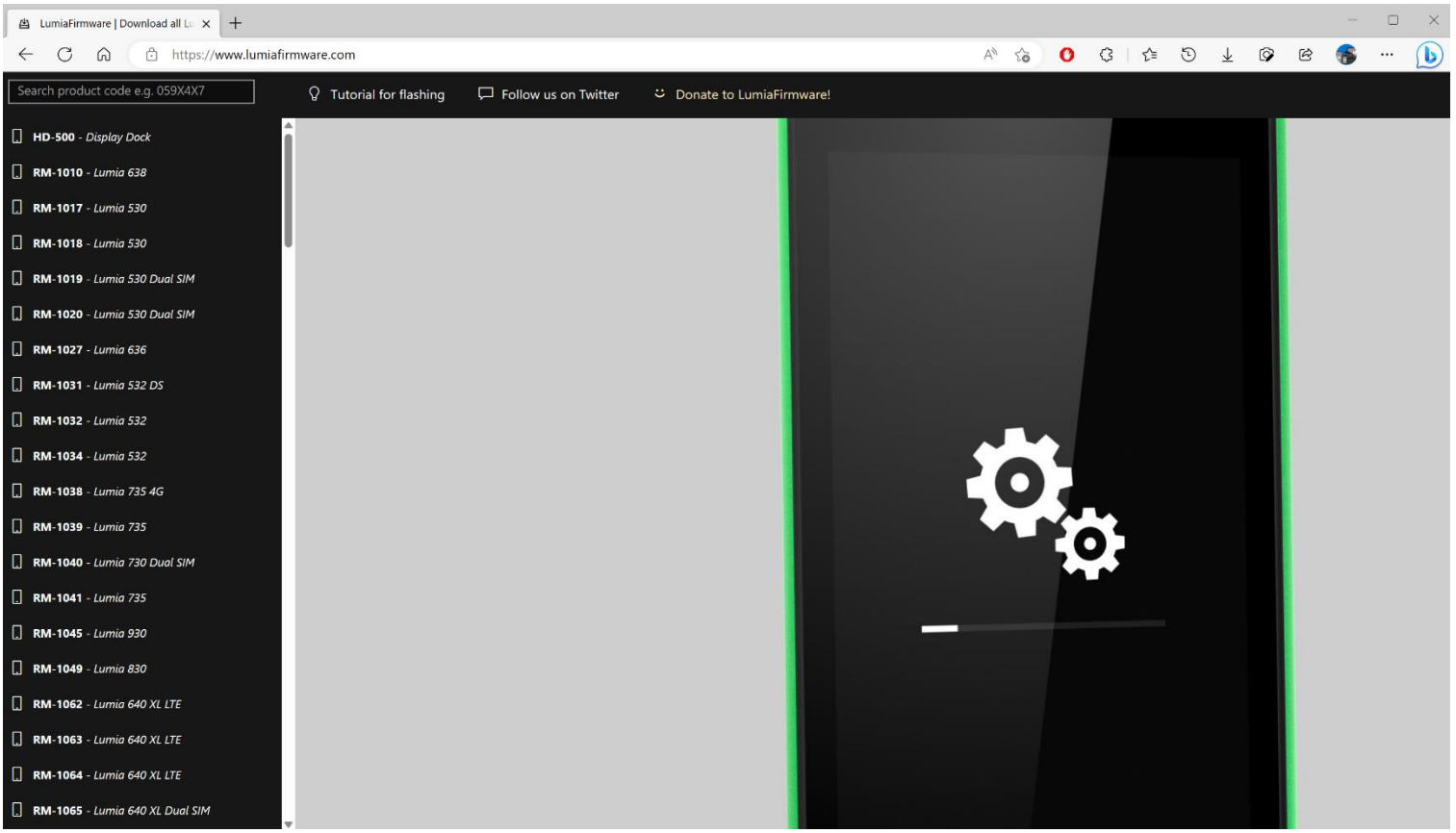
(TIP: Make sure to disable/whitelist the Adblocker of your browser if you use one)

https://www.lumiafirmware.com/

> Complete the captcha (*Battery level & number quiz*)



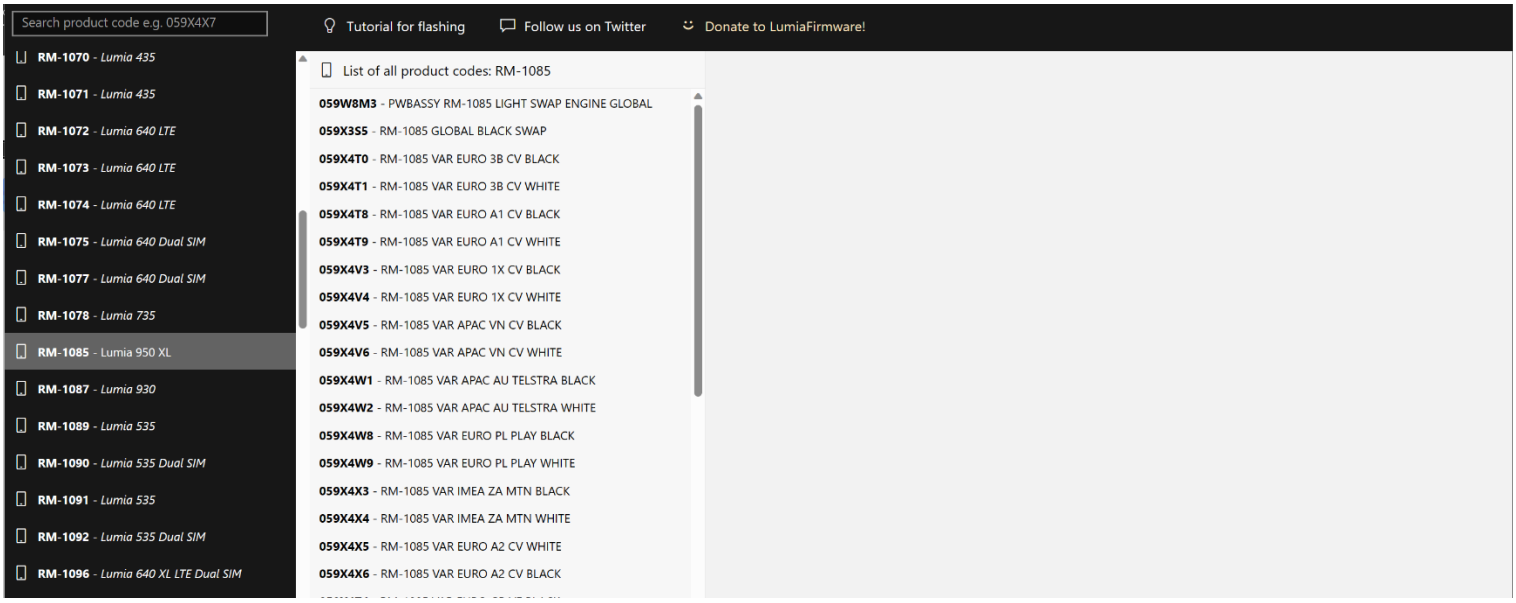
Then, you will land on this page.



> I suppose you already know your Device **RM & Product code** cause this web site is all about them.

(Re-read the identifying part if you have no clue about what these are)

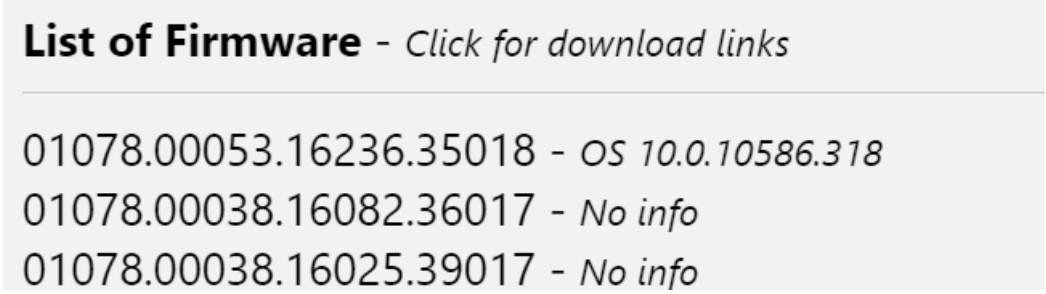
> Find and click on the 'RM Code' of your device from the left list.



> Once all the 'product codes' available for that 'RM Code' are loaded, find the matching 'product code' from your device and click it as well.

Then it will load another pane to the right showing the details of the selected product code.

There, in the list of firmware part, click on the software version you want (*Newer the better unless you have a specific reason*)



> Then it will show the below prompt and will take a second or two.

Retrieve the links please wait...

Once loaded, it will show a list of files.

> Download the one that has **.FFU** extension by clicking on it.

Download url's for Firmware: 01078.00053.16236.35018 - *The links are valid for 5 minutes*

Download - 040-126269_RM-1085_RoW_SS_Generic_01_dark.png
Download - 040-126269_RM-1085_RoW_SS_Generic_01_light.png
Download - 12625201.pcx
Download - CustomerNvi_01078.00053.16236.35018_12742_22bc6e97beecad0dd1b91cd279e6f9b1.nvi
Download - DC_TZ_MS_WP_Template_Lumia_v1.bin
Download - MS_MirrorLink_template_prod_v3.cer
Download - RM1085_059X4T0_01078.00053.16236.35018_690.dcp
Download - RM1085_059X4T0_01078.00053.16236.35018_690.signature.bin
Download - RM1085_059X4T0_01078.00053.16236.35018_690.vpl
Download - RM1085_1078.0053.10586.13169.12742.034EE8_retail_prod_signed.ffu
Download - RetailModeNvi_1_01078.00053.16236.35018_12742_1b90ff422f2d0673584aad392ecf4b13.nvi
Download - RoW_SS_RM-1085_002.xml
Download - WP10_simlock_3gstandard_bb5_crcA59A.bin

> Then the download will start!

| TIP

If you download through browser, it can take couple of hours due to slow speed.

Instead, I suggest you to use an Internet Download Manager to download the file as that can make considerable change in speed.

| FFU Software versions

LUMIA 550, 650, 950 & 950 XL devices will have Windows 10 Mobile 1511 based FFUs

LUMIA 640, 640 XL, 735, 830 will have Windows Phone 8.1 Update 2 Based FFUs

Every other LUMIA device will have Windows Phone 8.1 Update 1 Based FFUs

(Some older LUMIA models can have really old Software versions in their FFUs such as the base Windows Phone 8.1 OR even Windows Phone 8)

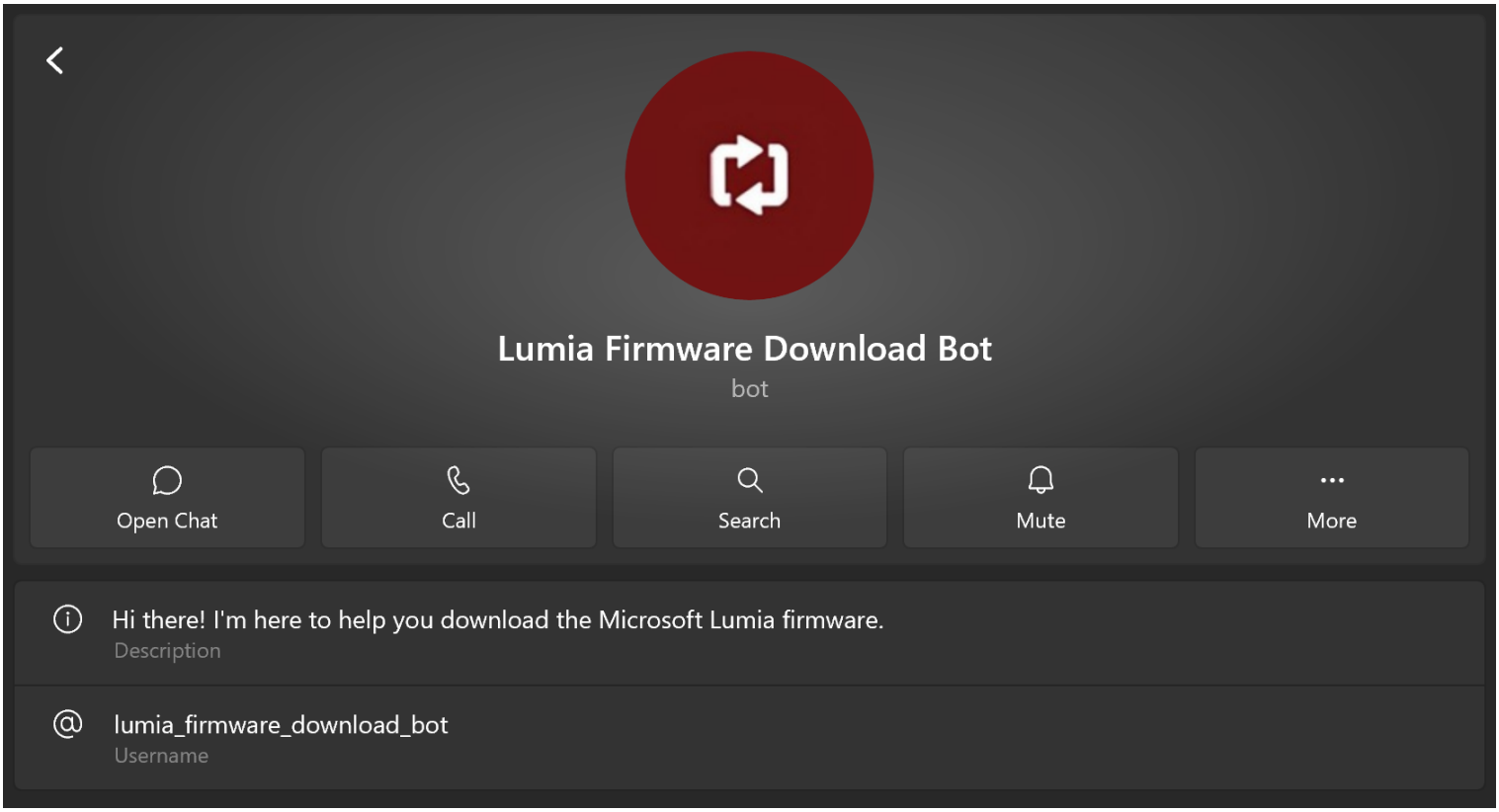
Download FFU: Lumia Firmware Download BOT

LUMIA EXCLUSIVE

NOTE: The BOT does not have all the FFUs backed up to its database as that will need contribution, bare that in mind.

Brought to you by one of our main Devs; **Fadil Fadz**, this Telegram bot will let you find and download the FFU package you want easily by walking you through the process.

TELEGRAM



Hey…just don't help yourself, if you have an FFU which this bot does not have, upload the FFU by using the /upload command while in chat with the bot.

This will help the whole community to get what they want in the long run.

Download FFU: Archive.org

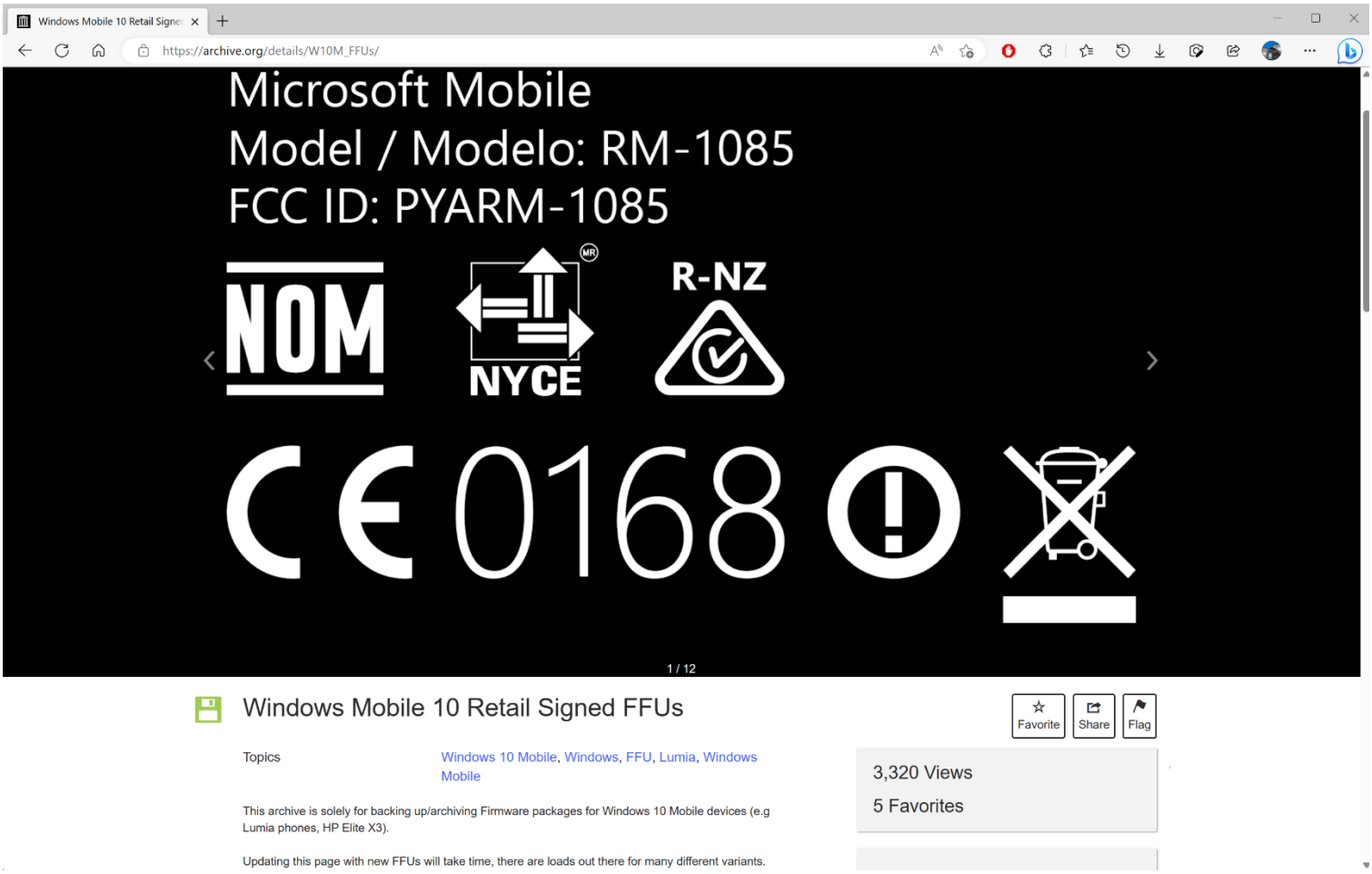
OTHER-OEM EXCLUSIVE

> Go to the below website using any web browser in your PC or other device which you plan to download FFUs

https://archive.org/details/W10M_FFUs/

From this archive, you can mainly download most of the FFUs of **NON-LUMIA OTHER-OEM Windows Phones**.

(Recommended to use the torrent option and use any client for selective download)



Download FFU: Windows Phone Internals [DEPRECATED]

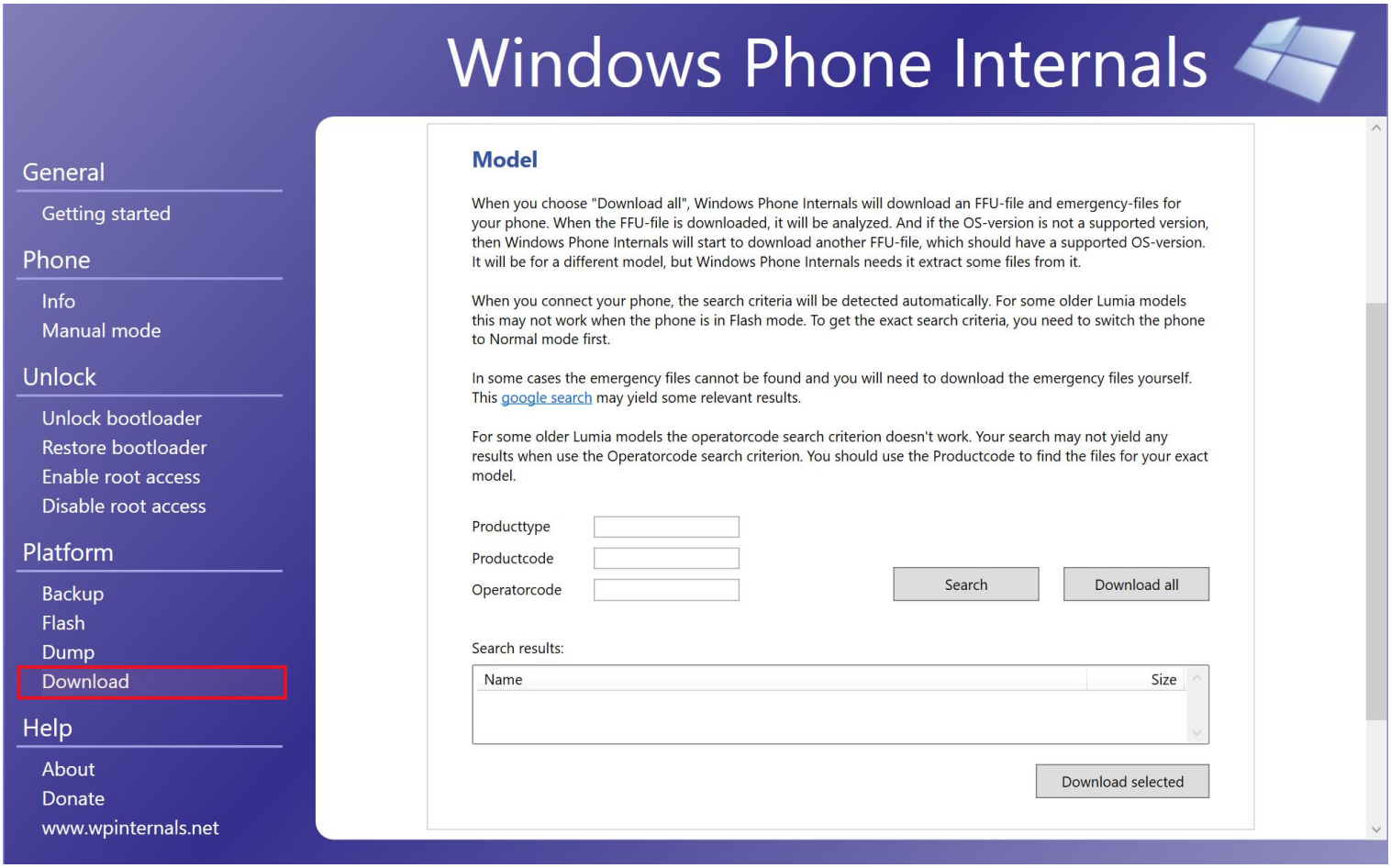
LUMIA EXCLUSIVE

NOTE: The 'Download' feature in Windows Phone Internals is now deprecated, hence this method no longer works.

> Connect your LUMIA device to PC using a USB Connection.

> Open 'Windows Phone Internals' applications.

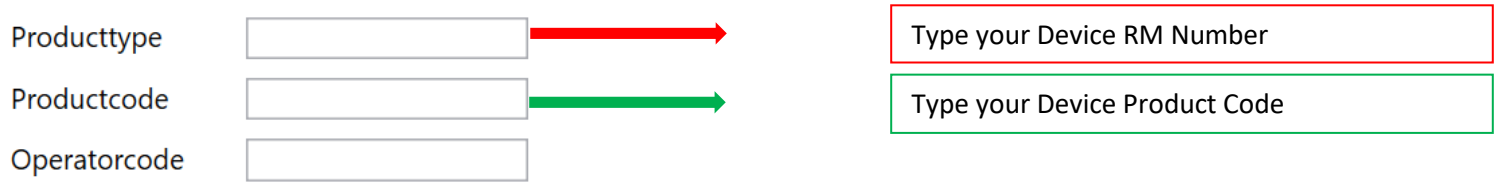
> Click on the 'Downloads' section & scroll to the bottom.



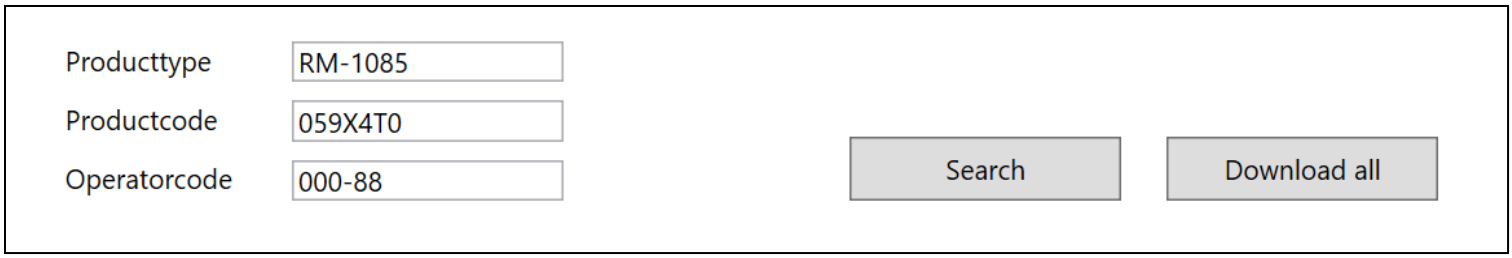
> Usually if the device is connected, these boxes should be automatically filled, so you just have to search & download.

If it is not filled, then fill it according to the device RM & Product Codes which we identified earlier.

(OperatorCode is not mandatory, you can fill it or leave it empty)

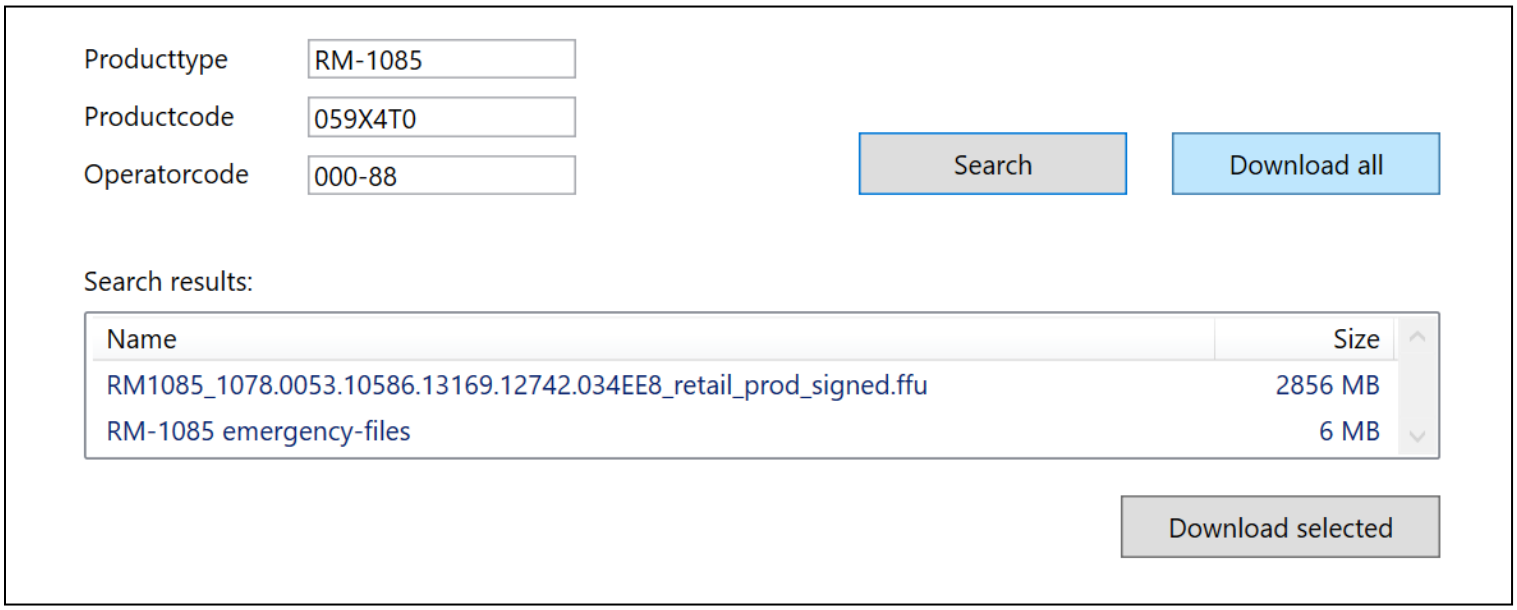


> Once the values are filled, click Search



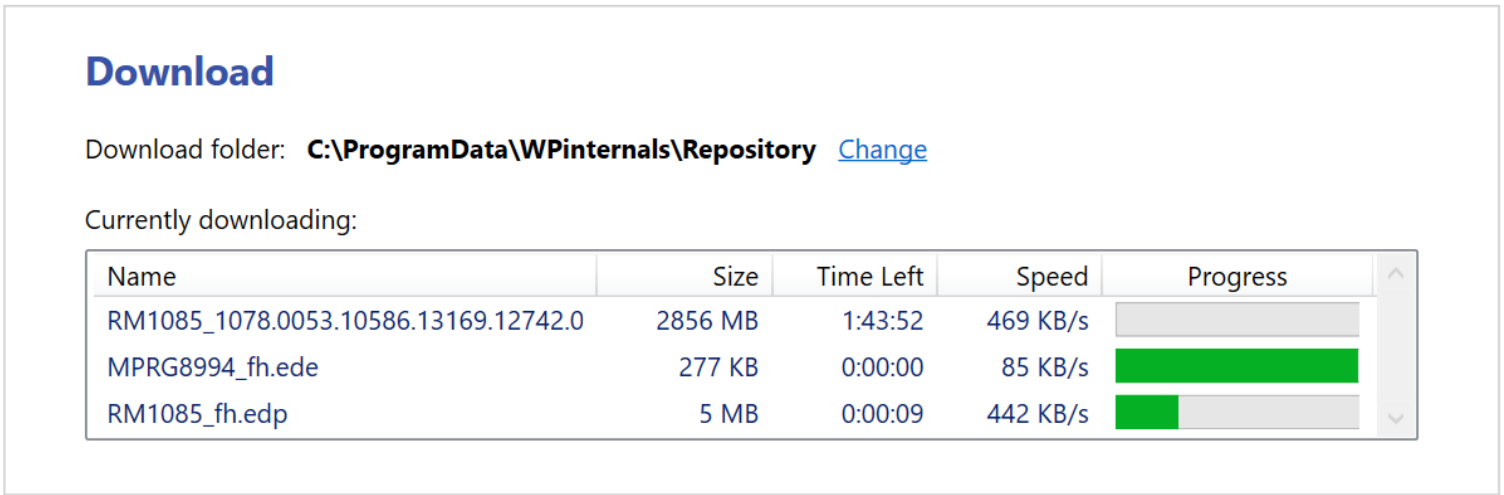
(Use the codes for your device, don't use these codes)

> Once the files are detected and is shown in the table, click 'Download all'



> Then you will be able to monitor the download progress from the top table.

(TIP: Do not sleep or hibernate the PC, there is a higher possibility of download files corruption if that happens)



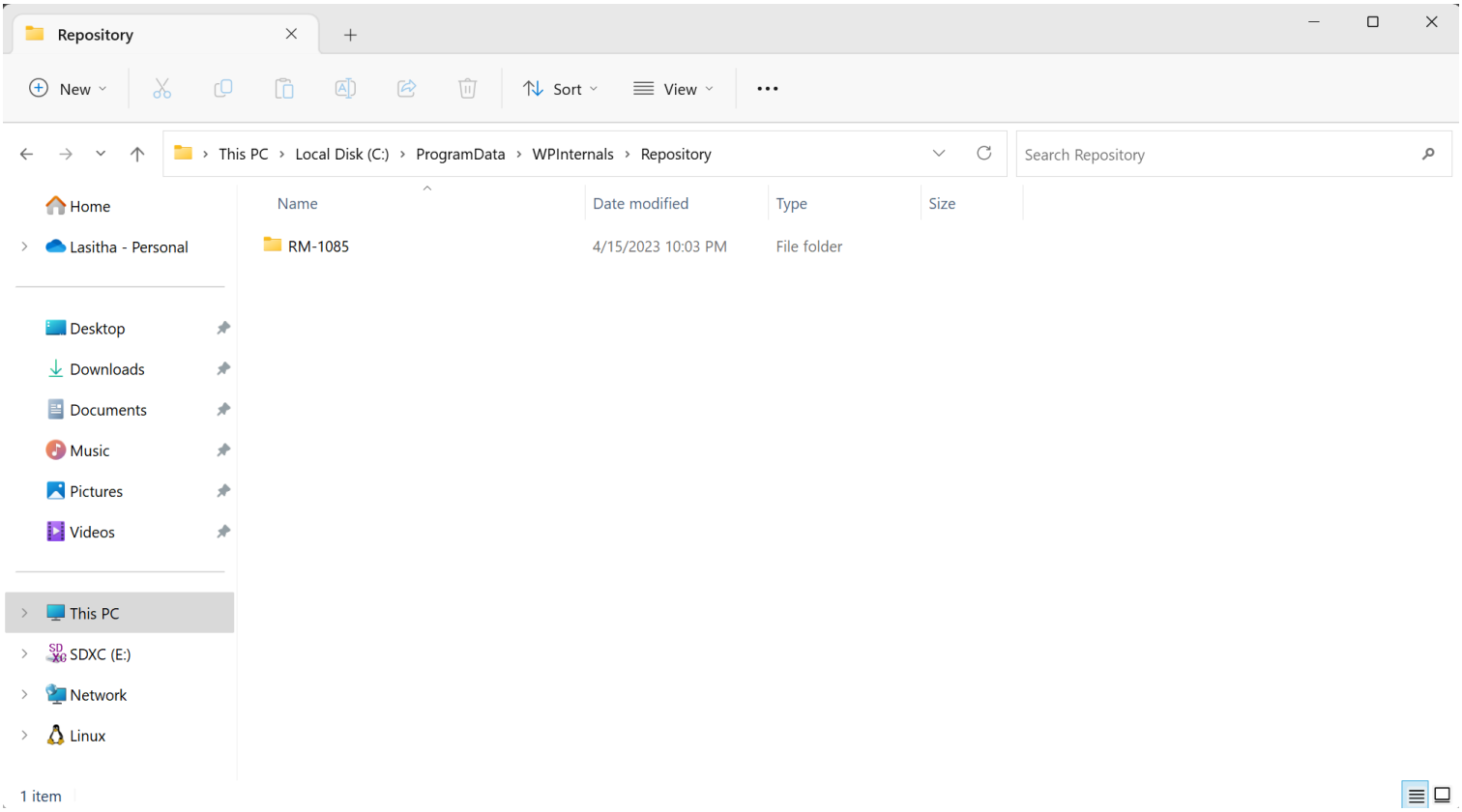
> Once the download/s are finished, you can safely close the Windows Phone Internals applications.

The downloaded files are stored in its assigned Data folder which is in the **ProgramData** in your root partition where Windows is installed.

Open file explorer of your PC and navigate to the below path;

C:\ProgramData\WPInternals\Repository

(TIP: This is a hidden directory, so make sure you set "Show hidden files/folders" option to active in File explorer settings)



All the downloaded FFUs of devices will be in their own folders named of the RM Code of your device/s.

You can then **backup them to your preferred destination!**

Download FFU: Windows Device Recovery Tool [DEPRECATED]

ANY WINDOWS PHONE

NOTE: Microsoft has retired their package repository servers, as a result this method no longer works.

Download WDRT if not installed.

MICROSOFT | W.U.T | MEGA

Usually, Windows Device Recovery Tool is used to recover a bricked device or to start fresh by re-flashing the device.

Although, it can also be used to get the FFU package of your device as well!

| Previously used WDRT to recover your device?

If you haven't changed PC or uninstalled the software, you may still have the packages WDRT used to recover your device still stored in your PC.

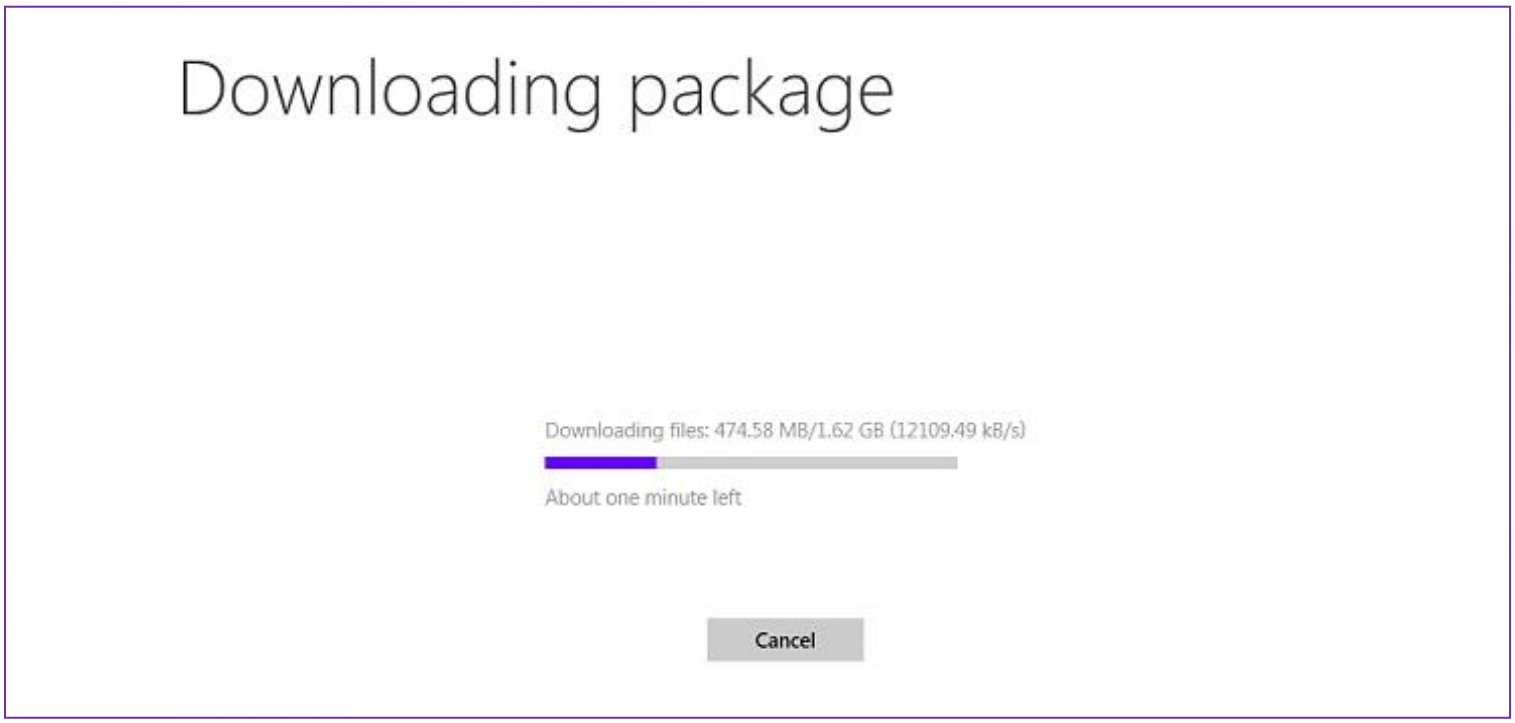
If it is, then skip to this STEP to get FFU.

> Connect your Windows Phone to PC via a USB Connection.

> Then open Windows Device Recovery Tool (WDRT)

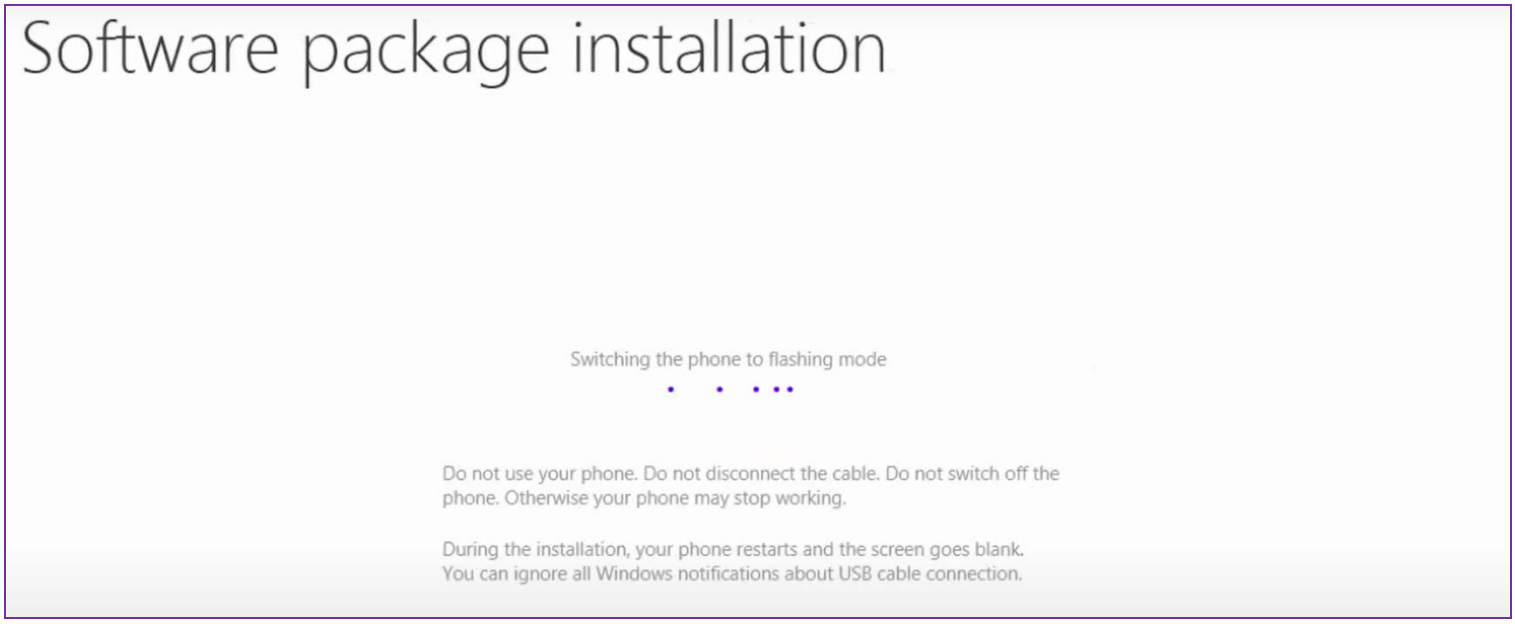
> Make sure way up to the downloading the package step via following on-screen prompts.

Let it download the package.



> When the download finishes, WDRT will prepare to flash your device which we don't want to do.

SO, when the WDRT change displays to "**Rebooting the phone to Flashing Mode**"; **Disconnect your WP Device from the PC**.

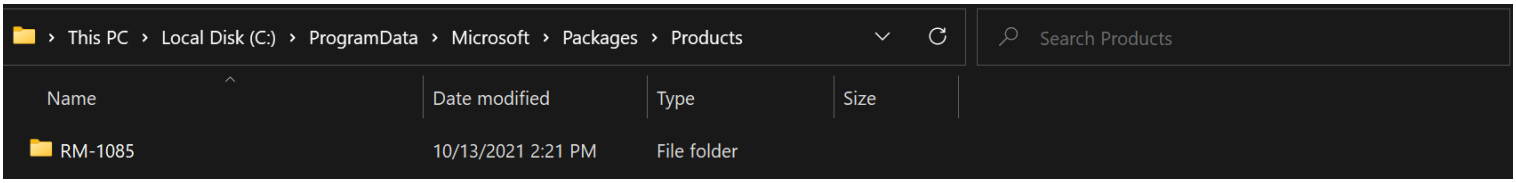


Now to locate the downloaded packages of your device.

> Open File Explorer in your PC and navigate to the below path in your root partition where Windows is installed.

C:\ProgramData\Microsoft\Packages\Products

(TIP: This is a hidden directory, so make sure you set "Show hidden files/folders" option to active in File explorer settings)



| NOTE

If your device is an OTHER-OEM WP Device (NON-LUMIA Windows Phone), then the path to your FFU package differs.

C:\ProgramData\DEVICEMANUFACTURER\Packages

(DEVICEMANUFACTURER should be the name of the device maker, like Alcatel, HP, HTC, etc…)

Some examples;

If it's HP, then the path is : **C:\ProgramData\HP\Packages**

If it's Alcatel : **C:\ProgramData\Alcatel\Packages**

Download FFU: Cellmania.com [DEPRECATED]

LUMIA EXCLUSIVE

NOTE: Microsoft has retired their package repository servers, as a result this method no longer works.

> Go the below website using any web browser in your PC or other device which plan to download FFUs.

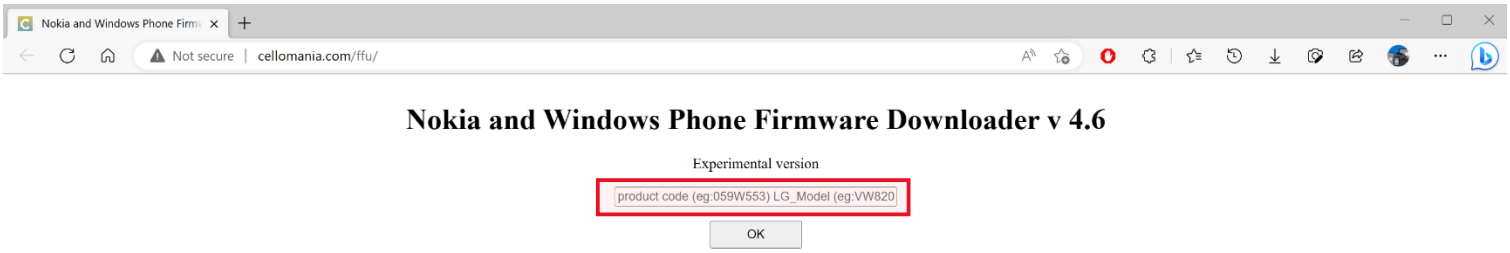
(TIP: Make sure to disable/whitelist the Adblocker of your browser if you use one)

http://cellomania.com/ffu/

I suppose you already know the 'product code' of your device.

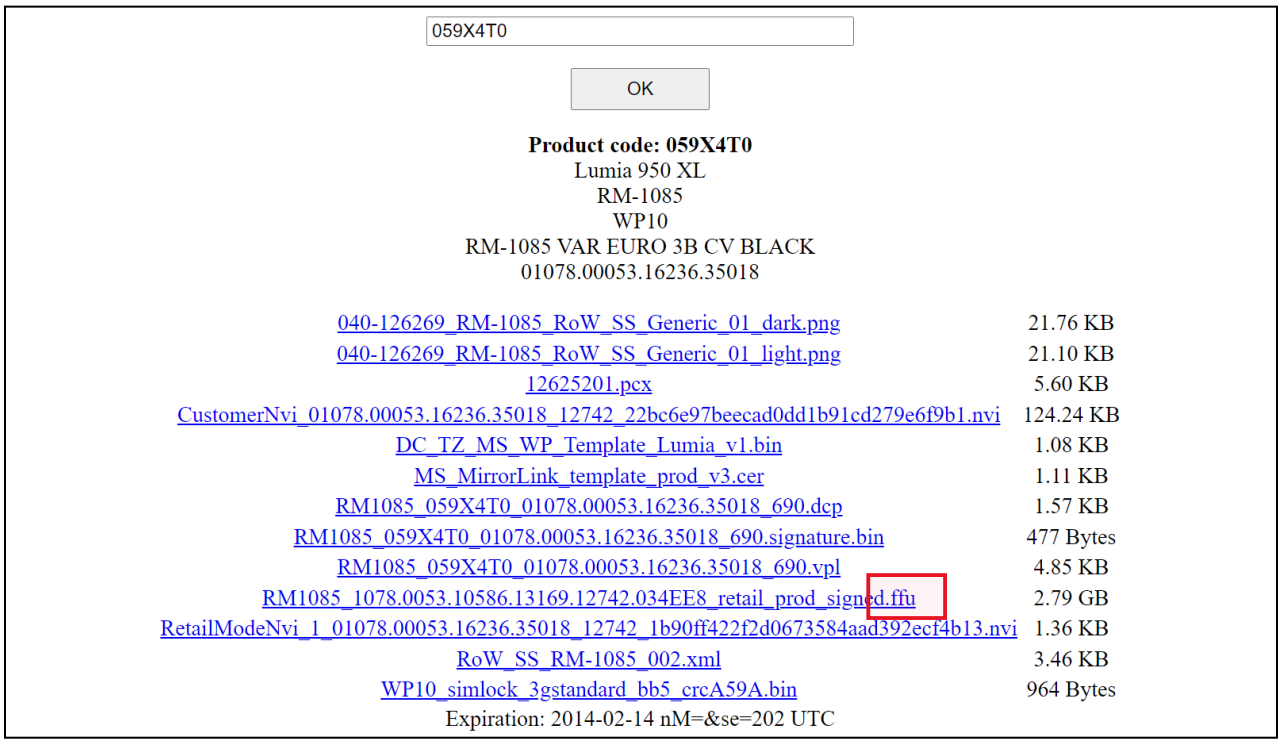
(If you don't know what that is, then re-read the identifying part)

> Type your 'product code' in the input box & press OK.



> After a while, a list of files will appear.

In the list, download the file that has the **.FFU** extension by clicking on it.



Download LUMIA Emergency files

You could have downloaded the emergency files using some of the same methods used above to download FFU packages.

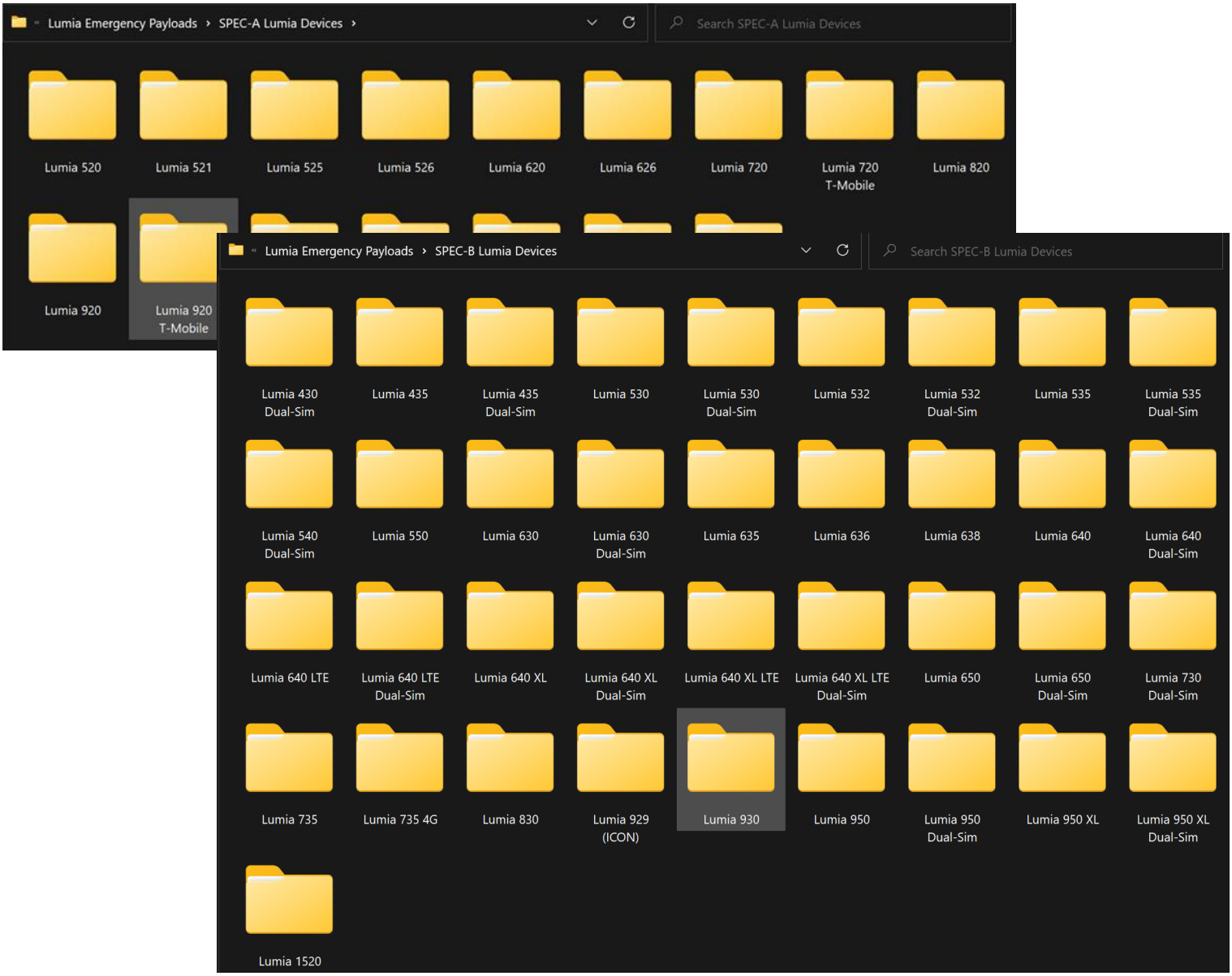
BUT;

We encourage you to use the below download options instead as these are the **latest** & **correctly sorted** Emergency files for every LUMIA Device.

W.U.T MEGA

Original upload: [Protobetatest]

Credits: Gustave Monce



(SPEC-A) LUMIA Engineering SBL3 IMG/BIN

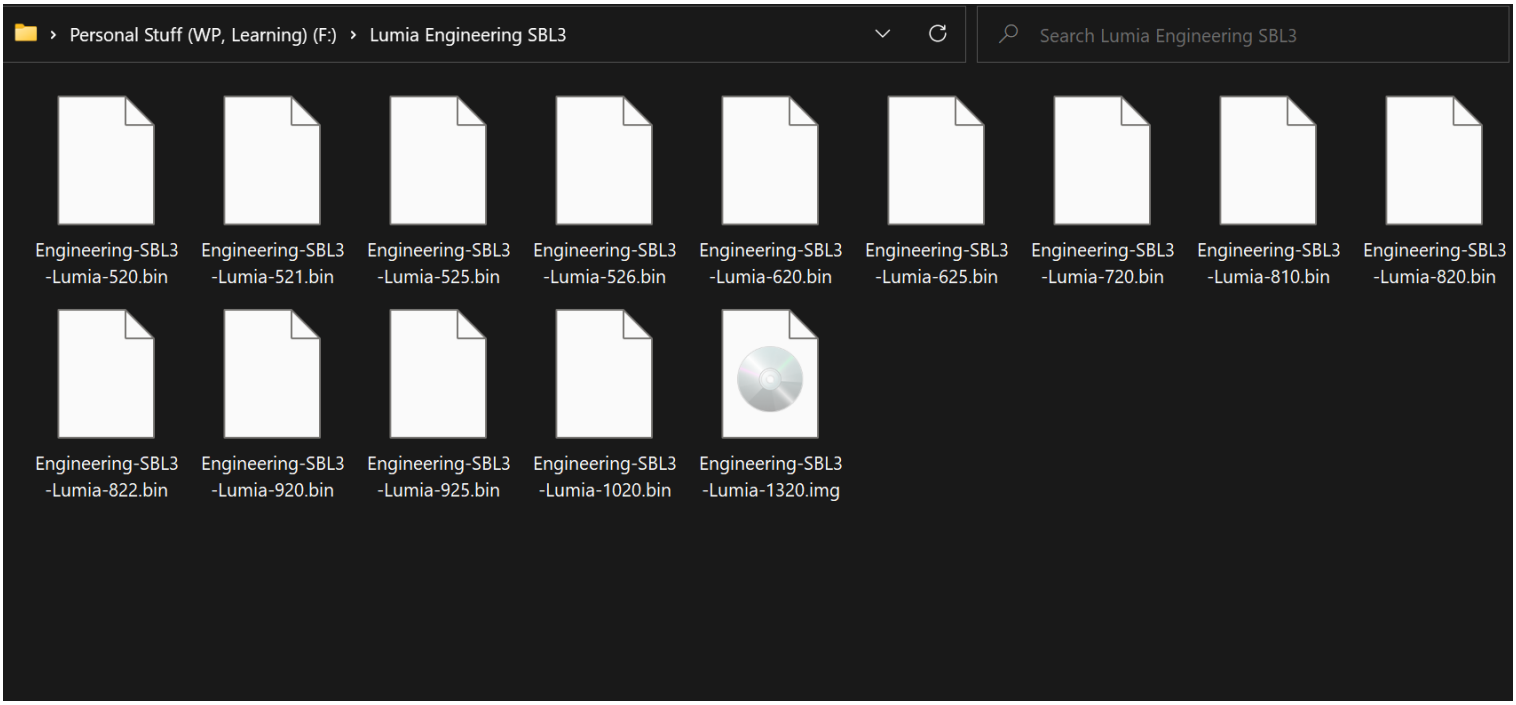
If your device is among the below list of models, then you will need to download this one too.

Lumia models with Bootloader Spec A

- Lumia 520, 521, 525, 526
- Lumia 620, 625
- Lumia 720
- Lumia 820, 822
- Lumia 920, 925, 928
- Lumia 1020
- Lumia 1320

Download Engineering SBL3 IMG/BIN

W.U.T MEGA



Credits

- ✓ Heathcliff74 & Gustave Monce for Windows Phone Internals.
- ✓ Microsoft for Windows Device Recovery Tool.
- ✓ All Site owners and contributors of used/mentioned Sites.

That's all for this Guide!

THANK YOU!!

Lasitha Samarasinghe